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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/786,820	03/09/2001	Yoshiaki Ajioka	1089.39666X0	6727

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EXAMINER

SHERALI, ISHRAT I

ART UNIT PAPER NUMBER

2621

DATE MAILED: 02/27/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/786,820

Applicant(s)

AJIOKA, YOSHIKI

Examiner

Sherali Ishrat

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 23 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) 1-8 and 10-14 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 March 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 4.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

DETAILED ACTION

Election/Restriction

1. Election of species 5 (Paper # 8) corresponding claim 9 without traverse is acknowledged. Election requirement made is FINAL.

Drawings

2. Drawings are objected to under 37CFR 1.83 (a). The drawings must shown every feature of the invention specified in claims. Drawing does not illustrate array operations units arranged in the shape of a lattice in a data processing device (Claim 9, lines 1-2) and updating band-pixel value in redundant –information by summation band pixel values transfered from their original position in redundant information image (Claim 9, lines 14-15).

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claim 9 is rejected under 35 U.S.C. § 112 first paragraph, as failing to comply with enablement requirement. Claim 9, recites in lines 7-17, “means for inputting a band-pixels value in a rough edge information; means for converting band-pixel

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information in rough edge-information to band-pixel value in a redundant-information image; means for converting a transfer value derived from redundant information image to a band-pixel value in a transfer-value image by operating imagery of position; means for transferring band-pixel value in redundant information image to a transfer position direction by band-pixel value in transfer-value image; means for updating band-pixel value in redundant information image by summation of band-pixel values transferred from their original position in redundant information image; and means for outputting band-pixel value in redundant information image". These limitation are shown in the specification in pages 86-89 in the form of abstract. However specification fails to show or discuss these limitation in detail. It is not clear from the specification, how band-pixel value is inputted in a rough edge information, how to convert band-pixel information in rough edge-information to band-pixel value in a redundant-information image, how to convert a transfer value derived from redundant information image to a band-pixel value in a transfer-value image by operating imagery of position, how to transfer band-pixel value in redundant information image to a transfer position direction by band-pixel value in transfer-value image, how to update band-pixel value in redundant information image and how to output band-pixel value in redundant information image.

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claim 9 is rejected under 35 U.S.C. § 112 second paragraph as being indefinite.

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Regarding claim 9, claim 9, recites in lines 7-17, "means for inputting a band-pixels value in a rough edge information; means for converting band-pixel information in rough edge-information to band-pixel value in a redundant-information image; means for converting a transfer value derived from redundant information image to a band-pixel value in a transfer-value image by operating imagery of position; means for transferring band-pixel value in redundant information image to a transfer position direction by band-pixel value in transfer-value image; means for updating band-pixel value in redundant information image by summation of band-pixel values transferred from their original position in redundant information image; and means for outputting band-pixel value in redundant information image". These limitation are shown in the specification in pages 86-89 in the form of abstract. These limitations are indefinite because specification does show the means and detail for performing these limitation using hardware/software.

Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherali Ishrat whose telephone number is 703-308-9589. The examiner can normally be reached on 8:00 AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Boudreau can be reached on 703-305-4706. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-4750.

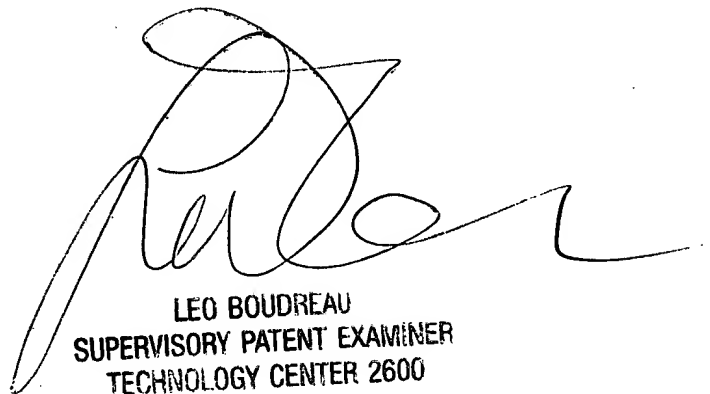


Ishrat Sherah

Patent Examiner

Group Art Unit 2621

February 20, 2004



LEO BOUDREAU
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